



3/1/71

APPLICATION FOR CERTIFICATION TO CONDUCT A
REFUSE DISPOSAL OPERATION

SUPPLEMENTARY INFORMATION

The Eastern Region Metals Division plant of National Lead Company located at 1050 State Street, Perth Amboy, New Jersey, utilizes part of its land for the storage/disposal of solid wastes generated by the manufacturing operations conducted at the site.

The solid wastes are transported and stored/disposed by Company forces and equipment.

No sanitary solid wastes or biodegradable organic wastes are handled. No wastes from other than plant sources are handled.

SITE DESCRIPTION

The storage/disposal area is located adjacent to the plant site, as indicated in the attached diagram. The site is 4.3 acres in area. The site and soil conditions can best be described as filled land, with a cover of crushed electric storage battery cases and furnace slag. The site is generally level; the present elevation is approximately plus 8 ft. MSL.

TYPE OF MATERIAL

The materials stored/disposed are the solid waste materials generated at the plant operations. The waste materials are not water soluble, nor biodegradable and are as follows:

1. Furnace matte having the following chemical composition:

Fe.....	58-60%
S.....	13-20%
Pb.....	6-8%
Sb.....	2-4%
Sn.....	1-2%

2. Furnace slag:

FeO.....	45-57%
Silica.....	30-32%
CaO.....	4-6%
Pb.....	2-3%
Sn.....	0.15-0.2%

3. Crushed electric storage battery cases made of:

- A. Hard rubber (coal fine and binder) and/or
- B. Polypropylene

4. Light steel drums

5. Old Paint Cans

METHOD OF OPERATION

The waste materials are transported from the plant site to the storage/disposal area by Company forces and equipment.

The furnace matte, in the form of a half sphere called a button; and the furnace slag, composed of chunks of fused metallic oxides, are brought to the area and stored. The matte and slag combination is removed periodically by private contractors for a variety of uses.

The crushed electric storage battery cases are transported to the area and stored in piles about 3 to 4 feet in height. A portion of the material is removed periodically by contractors interested in land and road-fill materials. The remaining material is periodically leveled and spread evenly throughout the area.

The light steel drums originally carrying scrap metal are cleaned and stored in the area prior to their removal. The drums are removed by a contractor four times each year.

The old paint cans are transported to the area and periodically covered with furnace slag and crushed electric storage battery cases.

VOLUME OF MATERIALS

200 cubic yards of materials are transported to the site each week.

Approximately 90%, (180 cu. yds.) of materials transported to the site each week are removed by private contractors at various times during the year.

The residual buildup (the material disposed of) at the site averages over the year to approx. 20 cu. yds. per week.

Over the last two years the residual buildup at the site has averaged less than 20 cu. yds. per week.



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